Kumaran Systems Inc.



**Jenkins Configuration Document**

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# 1. Introduction

**Jenkins** is an open-source continuous integration software tool written in the Java programming language for testing and reporting on isolated changes in a larger code base in real time. The software enables developers to find and solve defects in a code base rapidly and to automate testing of their builds.

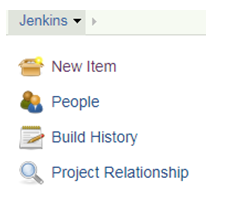
# 2. Configuration Steps

Step 1: Download the jenkins war file

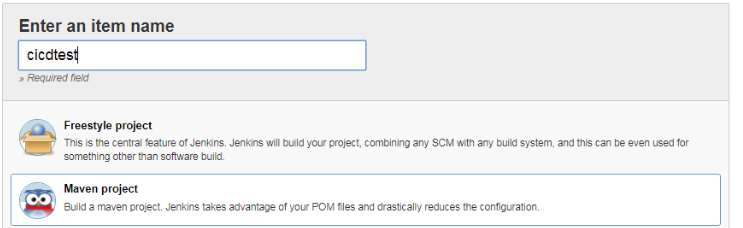
Step 2: Run the jenkins via comand prompt/Shell script

**java -jar jenkins.war**

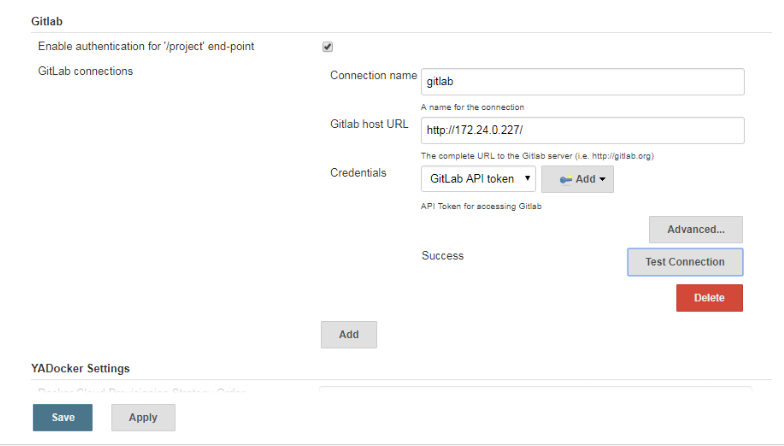
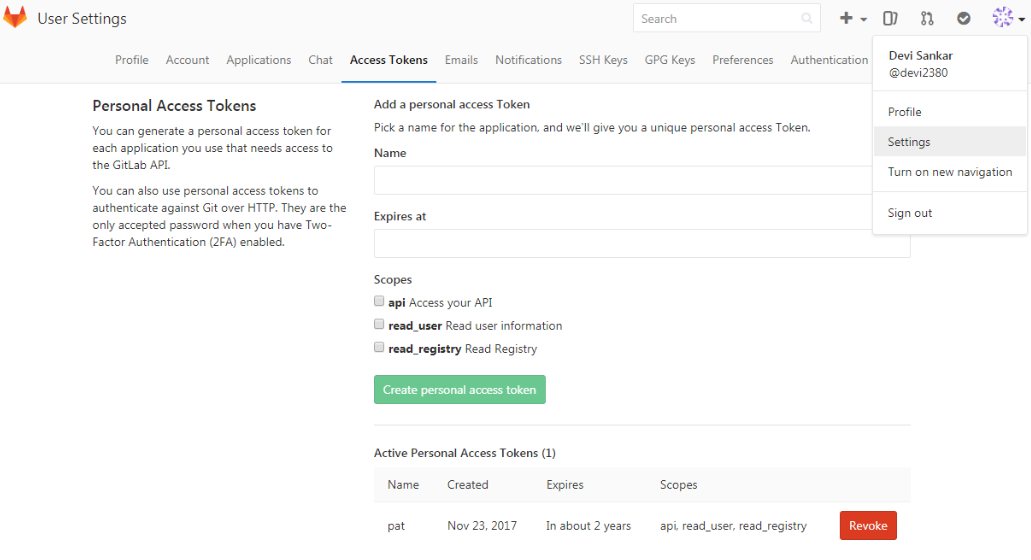
Step 3: Create a new job in jenkins dashboard by clicking New Item



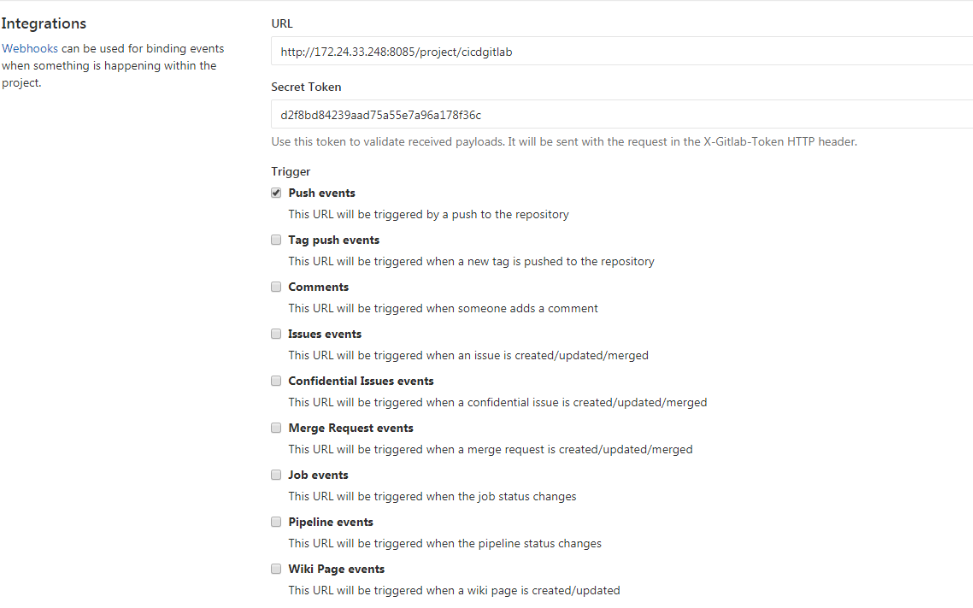
Step 4: Select Maven Project



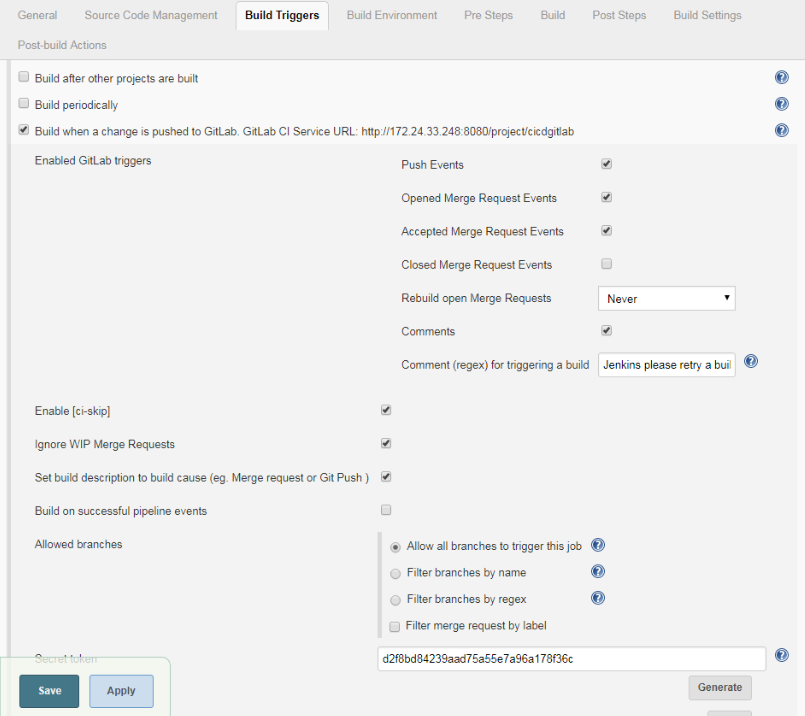
Step 5: Define repository URL , credentials and GitLab Tokens in project source code management.



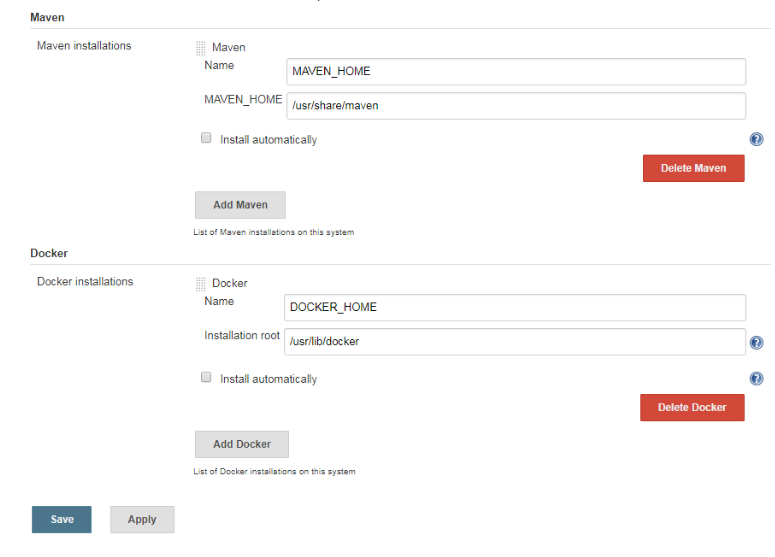
Step 6: Define Webhooks in Gitlab



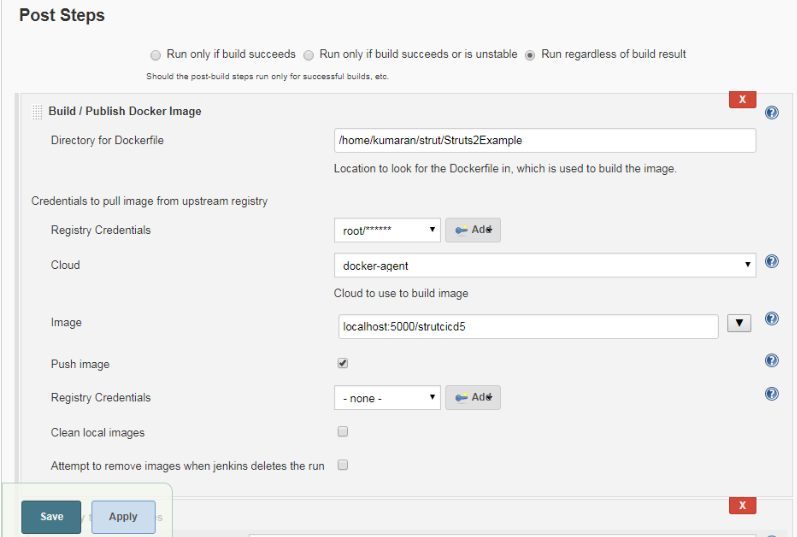
Step 7: Configure Build triggers in Jenkins.



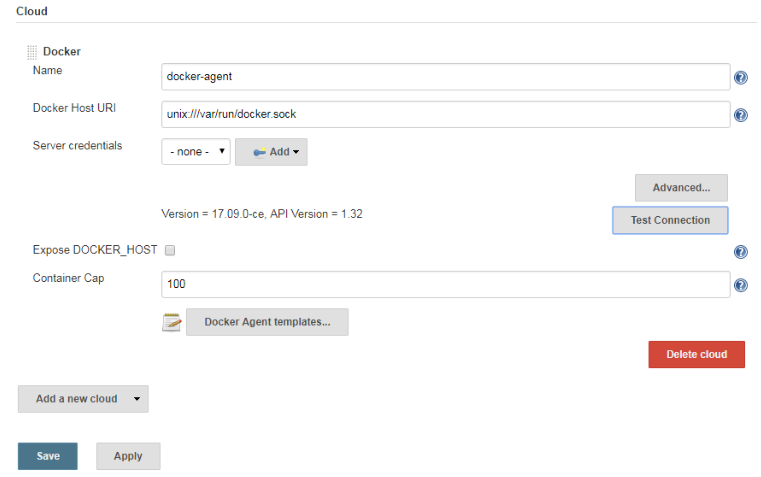
Step 8: Define Docker install path:



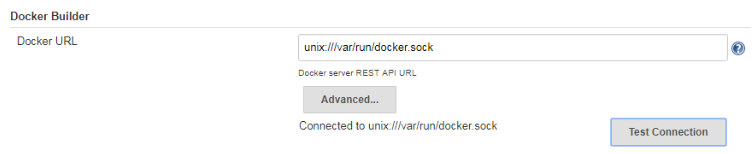
Step 9: Define Docker config:



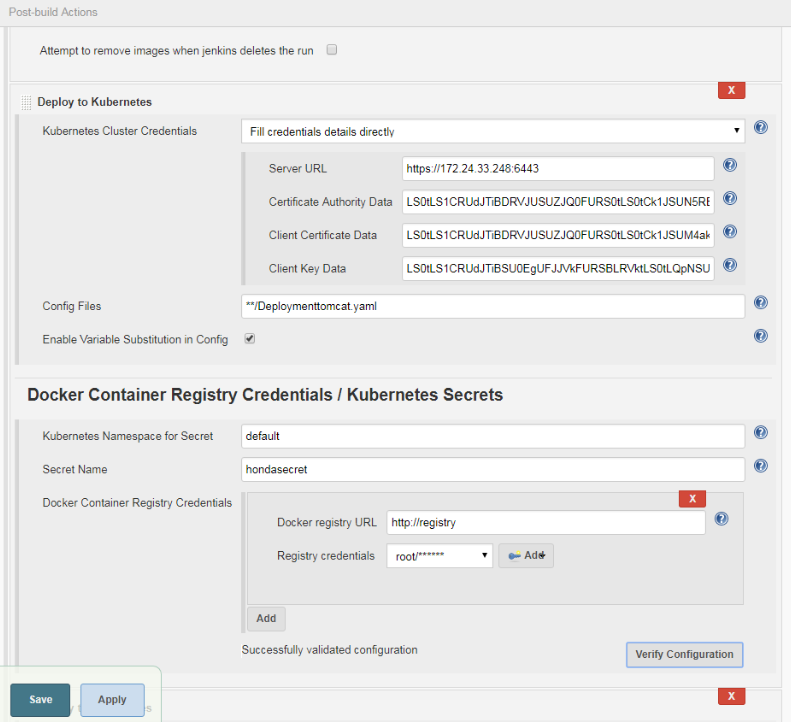
Step 10: Define Docker Agents



Step 11 : Define Docker Builder



Step 12: Configure kubernetes credentials



Step 13: click apply and save

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